

DOROFYEV, A.N.; BUYZENNEK, Yu.A., inzh., referent; LUK'IN,  
Yu.A., inzh., red.

[Calculating the strength of spot-welded joints; raschet  
prochnosti svarnykh tochnykh soedinenii. Moskva, Izda-  
vo "Mashinostroenie," 1964. 128 p. (MIR 17:6)]

-МУЗЕМНЕК, А.А.

Dynamics of gyratory mills for medium and fine crushing. Izv.  
vys. ucheb. zav.; mashinostr. no.3:142-150 '64.

1. Moskovskiy inzhenerno-stroitel'nyy institut.

MUYZEMNEK, Yu.A., inzh.

Efficiency of using hydropneumatic shock absorbers and  
hydraulic drives in cone crushers. Gor. zhur. no.9:44-46  
S '64. (MIRA 17:12)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya imeni Sergo  
Ordzhonikidze, Sverdlovsk.

MUYZEMNEK, Yu.A.

Cone crusher. Gor. zhur. no. 12:76 D '65.

(MIFA 18:12)

MUYZHNEK, G.K.

Taking direct readings with an automatic alidade. Geod.i kart.  
no.7:28-31 Л '62. (MIRA 15:8)  
(Surveying-Instruments)

Музыкин, А.И.

PHASE I BOOK EXPLOITATION SOV/3927  
Akademiya nauk Latvyskoy SSR. Institut mashinovedeniya

**Topografy dinamiki i prochnosti: sbornik statei, vyp. VI (Problems of Dynamics and Strength: Collection of Articles, No. 6)** Riga. Izd-vo AN Latvyskoy SSR, 1959. 159 p. Errata slip inserted. 1,500 copies printed.

Ed.: A. Vengunovich; Tech. Ed.: A. Klyuykha; Editorial Board: Yu. G. Pavlov, Corresponding Member, Academy of Sciences Latvian SSR, Professor, Doctor of Technical Sciences (Phys. Ed.); S. B. Lyubshin, Doctor, candidate of Technical Sciences; and N. O. Kishin, Doctor, candidate of Technical Sciences.

**PURPOSE:** This book is intended for mechanical engineers and technical workers.

**CONTENTS:** The book presents 10 articles on problems related to shock absorbers, railroad cars, thin rolled metal sections, automatic balancing, oscillation, and the performance of mechanical presses. The authors are technical or scientific workers at the Institut mashinovedeniya Akademi nauk SSSR (Institute of Science of Machines of the Academy of Science, Leningrad SSSR), at the Nibelskiy politekhnicheskii institut (Riga Polytechnic Institute), and at the Rikhskaya Krasnoznamennoyeshyashy vostochnoye voyennoye univertsiteta imeni Leninskogo komosovca (Riga Red Banner Eastern Military Aviation School named Leninsky Komosovsk). No personalities are mentioned. References are given following each article except one.

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Malinin, N.O., and V.I. Lebedev. Static Strength Tests of Rail-  
road-Car Body Models. \_\_\_\_\_ 65

Shalkin, G.I. Supporting Capacity of a Thin-Walled Box in Torsion Bending on an Elastic Base. *Trudy Akad. Nauk SSSR, Tekhn. Mekh.* 1977, No. 1, pp. 103-107.

**Scents, A.M.** Dynamic Calculation of Metallic Crane Structures Under a Load Moved from a Rigid Base 115

Myzhnitskyk, A.I. Some Problems in the Theory of Automatic Balance-  
123

Sal'dan, A.P. Experimental Research in Forced Nonlinear Vibrations 187

**Pfister, A.D.** Effect of Nonequilibrated Sliding Blocks on the Performance of the Driving Mechanism of Mechanical Presses 157

AC/PM/1b  
61-1-60

[illegible]

EXCERPTA MEDICA Sec.16 Vol.6/5 Cancer May 1958

MUZ D. I.

1746. *Some data on lung cancer statistics (Russian text)* MUZ D. I., MEEZIAK L. L.,  
UGLOVA V. M. and CHUKLIN A. V. Inst. of Oncol. AMS, Leningrad; Inst. of Med.  
Radiol., Kharkov *Vop. Onkol.* 1957, 3, 5 (611-616), Tables 3

The material of the cancer institutes of 15 republics of the USSR was studied. Lung  
cancer occupies the second place among men and the fourth place among women  
who died of different forms of cancer. The ratio between men and women is 5:1. The  
percentage of cases under 40 yr. of age was 2.7% for men and 6% for women.

GREGORCZYK, K.; MUZ, J.

Role of premature ventricular beats in the diagnosis of focal lesions of the heart. Kardiol. Pol. 7 no.2:97-102 '64.

1. Z 1 Kliniki Chorob Wewnętrznych Pomorskiej Akademii Medycznej (Kierownik: doc. dr K. Gregorczyk).



MJZAFAROV, A.I.

Case of subserous venous varicose dilatation of the cardial segment of the stomach simulating a benign tumor in thrombophlebitic splenomegaly. Zdrav. Kazakh. 21 no.10:64-66 '61. (MIRA 15:2)

1. Iz mediko-sanitarnoy chasti (glavnyy vrach - G.K.Yakubovich) Zyryanovskogo svitsernogo kombinata.  
(STOMACH DISEASES) (SPLEEN DISEASES)

MUZAFAROV, A.I.

Two-sided, partial dissecting osteochondrolysis (Koenig's disease). Zdrav.Kazakh. 22 no.11:66-67 '62. (MIRA 16:2)

1. Iz mediko-sanitarnoy chasti Zyryanovskogo svintsovogo kombinata.

(OSTEOCHONDROSIS)

MUZAFAROV, A.M.

Hydrobiological studies of irrigation reservoirs of Uzbekistan.  
Trudy probl. i tem.sov.no.1:79-81 '51. (MIRA 9:7)  
(Uzbekistan--Irrigation)

1. MUZAFAROV, A.M.
2. USSR (600)
4. Algae - Asia, Central
7. New species of algae from the mountain ponds of Central Asia, Bot.mat.Otd.spor.rast.  
8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

MUZAFAROV, A.M.

Desmidian flora in discharges of the Syr Darya River. Trudy Inst.  
bot. AN Uz. SSR. no. 3: 215-220 '55. (MIRA 10:1)  
(Syr Darya Valley--Algae)

MUZAFAROV, A.M.

Zonal distribution of algae in the mountain waters of Central Asia.  
Izv.AN Uz.SSR no.11:63-68 '56. (MIRA 14:5)  
(Soviet Central Asia—Algae)

MUZAFAROV, A.M.; GRANITOV, I.I., kand. biol. nauk, otv. red.; CHAYKA,  
G.V., red. izd-va.; SALIMOVA, D., tekhn. red.

[Algae of mountain waters in Central Asia] Flora vodoroslei gornyykh  
vodoemov Srednei Azii. Tashkent, Izd-vo Akad. nauk UzSSR, 1958. 377 p.  
(Soviet Central Asia--Algae)

MUZAFAROV, A.M. .

Some data on algae in waters of the Eastern Pamirs. Uzb. biol.  
zhur. no.4:19-23 '58. (MIRA 11:12)

1. Institut botaniki AN UzSSR.  
(Pamirs--Algae)



BOCHANTSEV, V.P.; BUTKOV, A.Ya.; VVEDENSKIY, A.I.; DROBOV, V.P. [deceased];  
KOROVIN, Ye.P., akademik; KOROTKOVA, Ye.Ye.; KUDRYASHEV, S.N.  
[deceased]; LINCHENSKIY, I.A.; MAUER, P.M.; PAKIY, V.K.; POPOV,  
M.G. [deceased]; RUSANOV, P.N.; SUMNEVICH, G.P. [deceased]; ZAKIROV,  
K.Z., glavnyy red.; MUZAFAROV, A.M., red.; CHERNYAVSKAYA, A.B.,  
red.isd-va; SMOL'NIKOVA, B.Kh., red.isd-va; BARTSEVA, V.P., tekhn.red.

[Flora of Uzbekistan] Flora Uzbekistana. Tashkent, Izd-vo Akad.  
nauk Uzbekskoi SSR. Vol.4. Red.toma A.I.Vvedenskii, Sost.V.P.  
Bochantsev i dr. 1959. 506 p. (MIRA 13:8)

1. AN UzSSR (for Korovin, Zakirov). 2. Uzbekskaya Akademiya sel'sko-  
khosyaystvennykh nauk (for Zakirov).  
(Uzbekistan--Dicotyledons)

MUZAFAROV, A.M.

Data on the algal flora of waters in the Amu-Darya basin. Uzb. biol.  
zhur. no.5:11-20 '59. (MIRA 13:4)

1. Institut botaniki AN UzSSR.  
(AMU-DARYA VALLEY- -ALGAE)

MUZAFAROV, A.M.

New species and forms of algae found in waters of the Amu  
Darya Basin. Bot.mat.Otd.spor.rast. 12:30-37 Ja '59.

(MIRA 12:12)

(Amu Darya Valley--Algae)

MUZAFAROV, A.M.; CHAYKA, G.V., red. izd-va; GOR'KOVAYA, Z.P., tekhn. red.

[Algae of Amu Darya and its tributary waters] Flora vodoroslei  
stoka Amu-Dar'i. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR,  
1960. 195 p. (MIRA 14:4)  
(Amu Darya River--Algae)

MUZAFAROV, A.M., akademik

Outlook for the development of biological research in Uzbekistan.  
Uzb. biol. zhur. no. 4:3-10 '60. (MIRA 13:10)

1. Akademiya nauk UzSSR.  
(~~UZ~~BEKISTAN—BIOLOGICAL RESEARCH)

MUZAFAROV, A.M., akademik

Scientific base in the Kyzyl Kum. Vest. AN SSSR 30 no.6:100-101  
Je '60. (MIRA 13:6)

1. AN Uzbekskoy SSR.  
(Kyzyl Kum—Botanical research)

MUZAFAROV, A.M.; MILOGRADOVA, Ye.I.; SKRYABINA, T.A.; KHUDAYBERDYIEVA, R.

Chlorella cultivation in Uzbekistan. Uzb. biol. zhur. no.3:16-21  
'61. (MIRA 14:6)

1. Institut botaniki AN UzSSR.  
(ALGAE—CULTURES AND CULTURE MEDIA)

MUZAFAROV, A.M.; MUSAYEV, K.Yu.

Materials on algae of the reservoirs of the Zeravshan River  
basin. Trudy TashGU no.187:235-249 '61. (MIRA 15:3)

1. Institut botaniki AN UzSSR i Tashkentskiy gosudarstvennyy  
universitet imeni Lenina.  
(Zeravshan Valley—Algae)



MUZAFAROV, A.M.

Trends and future development of botanical studies in Uzbekistan.  
Uzb. biol. zhur. 8 no.5:45-50 '64 (MIRA 18:2)

MUZAFAROV, A.M.; YENGALICHEVA, D.Z., red.

[Algae flora of the bodies of Central Asia] Flora vodoroslei vodoemov Srednei Azii. Tashkent, Izd-vo "Nauka" UzSSR, 1965. 567 p. (MIRA 18:11)

MUZAFAROV, A.M., prof, akademik, otv. red.; MOSHCENKO, Z.V.,  
red.

[Sporiferous plants of Central Asia and Kazakhstan;  
materials] Sporovye rasteniia Srednei Azii i Kazakhstana;  
materialy. Tashkent, Izd-vo "Nauka" Uzbekskoi SSR, 1965.  
229 p. (MIRA 18:12)

1. Koordinatsionnoye soveshchaniye spetsialistov po spo-  
rovym rasteniyam respublik Sredney Azii i Kazakhstana,  
Tashkent, 1961. 2. Akademiya nauk Uzbekskoy SSR (for  
Muzafarov).

ZORIA, N.M., kand. tekhn. nauk; MUZAFAROV, F.I., inzh.

Using the method of equivalent materials in volumetric modeling.  
Izv. vys. ucheb. zav.; gor. zhur. 6 no.6:64-70 '63. (MIRA 16:8)

1. Donetskoy ordena Trudovogo Krasnogo Znameni politekhnicheskoy  
institut. Rekomendovana kafedrami marksheyderskogo dela i  
geodezii.

(Rocks--Testing)

(Geological models)

ZORYA, N.M., kand.tekhn.nauk; MUZAFAROV, F.I., inzh.

Measuring points of displacement in three dimensional models.  
Izv.vys.ucheb.zav.; gor.zhur. 7 no.2:58-63 '64. (MIRA 17:3)

1. Donetskij politekhnicheskij institut. Rekomendovana kafedroy  
marksheyderskogo dela.

VARLASHKIN, V.M., kand.tekhn.nauk; IOFIS, M.A., inzh.; MUZAFAROV, P.I., aspi-  
rant; MEDYANTSEV, A.N., kand.tekhn.nauk; SHUSHKOV, A.M., inzh.

Once again about efficient methods of development mining and systems  
of mining continuous seams. Ugol' 39 no.2:62-68 F '64.

(MIRA 17:3)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo mark-  
sheyerskogo instituta (for Varlashkin, Iofis, Medyantsev, Shushkov).
2. ~~Nauchno-issledovatel'skiy institut~~ (for Muzafarov).

MUZAFAROV, I.

PA 195T96

USSR/Radio - Transmitters

Sep 51

"'Urozhay' Radio Stations in Use," I. Muzaferov

"Radio" No 9, p 21

Reports briefly on experience with 10 "Urozhay" radio stations in an agricultural project over a period of 1 yr. The stations operated at distances from 10 to 70 km apart. While praising the qualities of the equipment, a few defects were noted, including the absence of a lightning switch and the excessive amt of power drawn by the antenna tuning indicator.

195T96

MUZAFAROV, I.

USSR/Electronics - Transceivers  
Power Supplies

Mar 52

"The Urozhay Radio Station With AC-DC Supply,"  
I. Muzafarov, Tashkent

"Radio" No 3, p 14

At present, many of the central buildings in areas where MTS operate are now electrified. Suggests that Urozhay should be supplied from the line through a rectifier and from the batteries only when the power is off. Gives design of a rectifier for this purpose.

229T60



MUZAFAROV, I.

Radio-Receivers and Reception

Replacement of 6TS5S kenotrone with 6N7S tube. Radio no. 9, 1952

Monthly List of Russian Accessions. Library of Congress, December 1952. UNCLASSIFIED.

MULAFAROV, I.

Radio, Short-wave-receivers and Reception

Elimination of ground wire in the short wave receiver. Radio no. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, December ~~1958~~, Uncl.  
1952

MUZAFAROV, I.

Radio

Radio Station "Harvest" with universal feed.  
Radio 29, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

MUZAFAROV, I.

When will the ultrashort-wave transmitter start working. Radio no. 3:16 ag  
'53. (MLR 8:3)  
(Tashkent--Radio, Short wave) (Radio, Short wave--Tashkent)

MUZAFAROV, K. F.; PARAKIN, V. K. (Cand. Vet. Sci)

"On summer diseases of lambs."

SO: Veterinariia 29 (7), 1952, p. 49

Candidate of Vet. Sci.

MUZAFAROV, K.F., doktor veterinarnykh nauk, professor.

Forcing air into the esophagus to relieve obstruction. Veterinariia  
32 no.11:72-73 N '55. (MLRA 8:12)

1.Stavropol'skiy sel'skokhozyaystvennyy institut.  
(ESOPHAGUS--FOREIGN BODIES) (VETERINARY SURGERY)

USSR/Diseases of Farm Animals. Noninfectious Diseases R-2

Abs Jour : Ref Zhur-Biol., No 2, 1958, 2765

Author : Muzafarov K. F., Kalashnikov P. S., Muromtsev K.B  
Inst : Stavropol' Agricultural Institute  
Title : On the Problem of Enzootic Ataxia in Lambs

Orig Pub : Tr. Stavropol'sk. s-kh, in-ta, 1956, vyp 7,  
393-400

Abstract : Outbreaks of enzootic ataxia (EA) in lambs occurred in Northern Caucasus on farms with similar natural-geographic and soil conditions and with poor and single-type vegetation. In flocks favorable to the development of EA the author found a large number of ewes with anemia and disturbed metabolism. In these flocks the lambs were born weak or underdeveloped either with symptoms or without symptoms of EA. The author regards EA

( Card 1/2

MUZAFAROV, M.A.

Age-conditioned characteristics of the development of recreative  
imagination in schoolchildren. Uch. zap. MGPI no.94:225-262 '63.  
(MIRA 18:6)



MULAFER, I. Kh.

Land Tech Sci

Dissertation: "Evaluation of the Error of  
of Irregularities Considering the Errors of  
Initial Data."

23/3/50

Moscow Inst of Engineers for Organization of  
Land Reclamation.

**SO Vecheryaya Moskva**  
**Sum 71**

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MUZAFAROV, M.Kh., kandidat tekhnicheskikh nauk.

Ellipse of errors taking into consideration errors of initial data.  
Sber.st.po geod. no.5:83-38 '53. (MIRA 9:7)  
(Triangulation)

MUZAFAROV, M. An. Kandidat tekhnicheskikh nauk.

Rectification on a large rectifier without decentering the negative.  
Geod. 1 kart. no. 8:23-27 0 '56. (MIRA 10:1)

(Rectifiers (Photogrammetry))

MUZAFAROV, M. Kh. Cand Tech. Sci.

"Rules Governing the Distribution of Tilts in Aerial Photography."

report presented at the Regular Scientific Conference on Soil Science, Geology  
and Aerophotogeodesy, at the MIIZ (Moscow Inst. for Soil Science Engineering,  
1-31 Jan 1977.

AUTHOR: Muzafarov, M. Kh., Candidate of Technical Sciences SOV/6-58-6-8/21

TITLE: Optical Mounting of Zones in the Phototransformation of Aerial Photographs (Opticheskiy montazh zon pri fototransformirovanii aerosnimkov)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 6, pp. 37-41 (USSR)

ABSTRACT: The optical mounting of zones in the phototransformation of aerial photographs is performed by applying masks of black paper. All or some of the zones are exposed on a sheet of photo-sensitive paper. Then a print of the transformed aerial photographs is made. By this means the mounting of a mosaic is greatly simplified contrary to ordinary transformation. The following additional conditions must be met: 1) The paper must be fixed rigidly to the screen. 2) The picture of the nadir must not be shifted on the screen. In order to satisfy condition 2, the nadir of the aerial negative must coincide with the axis of the phototransformer. Therefore the scale of radial errors is used in the work with the great transformer. A radial error ("on"), formula (1) is introduced. Such an error, however, would disturb the geometrical conditions of

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Optical Mounting of Zones in the Phototransformation  
of Aerial Photographs

SOV/6-58-6-8/21

transformation. Therefore, a residual radial error  $e'$  is introduced after condition 2 being complied with. The following was found: 1) Aerial photographs made with a focal length of the objective of the camera of  $f_k = 200$  mm must be transformed by means of an optical mounting of the zones at  $0,7 \leq n \leq 4,7$ , taking into account the radial error "on" (to be computed according to formula (1)' and (1)"). 2) Aerial photographs made with  $f_k = 70$  mm and  $f_k = 100$  mm can be transformed by means of the optical mounting of zones without taking into account the radial error of the negative at  $0,7 \leq n \leq 1,6$  and  $0,7 \leq n \leq 2,2$ , respectively (if the slope of the screen of the phototransformer does not exceed the values given in table 1). If this requirement is not complied with, the radial error according to formula (1)' or (1)" must be taken into account. The optical mounting of zones in the transformation with a great phototransformer was tested in the plant "Sel'khozaeros yemka" (Agricultural Aerial Photography) in the Ural, using the method advocated by the author and described in detail in this paper. The mosaic compiled from optically mounted aerial photographs with respect to accuracy met the requirements of

Card 2/3

Optical Mounting of Zones in the Phototransformation  
of Aerial Photographs

SOV/6-58-6-8/21

the "Specifications for Topographical Survey on the Scale  
1 : 10 000 and 1 : 25 000", of 1956. There are 2 figures,  
3 tables, and 1 **Soviet** reference.

1. Aerial photography
2. Aerial photographs--Processing
3. Mathematics

Card 3/3

MUZAFAROV, M. KH.

3 (4)

AUTHOR: None Given

507/6-59-5-24/26

TITLE: Chronicle (Khronika)

PERIODICAL: Geodesiya i kartografiya, 1959, Nr 5, p 76 (USSR)

ABSTRACT: From March 17, to 20, 1959, the regular conference was held at the Moskovskiy institut inzhenerov zemleustroystva (Moscow Institute of Land Survey Engineers). The conference was attended by about 100 representatives of schools, scientific research institutes, and various production organizations. In the plenary assembly, the following papers were read: Professor S. A. Udachin, Corresponding Member of the VAKHNIL (All-Union Academy of Agricultural Sciences of the USSR), "Tasks of Land Survey and Land Survey Science in the Light of the Resolutions of the 21st Party Congress of the CPSU." A. T. Panfilov, Representative of the Ministerstvo sel'skogo khozyaystva SSSR (Ministry of Agriculture of the USSR), "Basic Problems of Land Survey in the USSR." Professor M. V. Bochkov "Problems of Registration and of the Investigation of Soils in the Volkhov." In the Land Survey Section, 10 papers were read. - In the Geodetic Section, the following papers were read:

Card 1/2

Ya. G. Larchenko, Doctor of Technical Sciences, "On the Approximation Method for the Estimation of the Accuracy of Calculations Results." Yu. V. Keanits, Candidate of Technical Sciences, "New Patterns for the Solution of Normal Equations." M. Kh. Musafarov, Candidate of Technical Sciences, "Employment of the Indications of the Radio Altimeter for the Compilation of Approximately Oriented Photographic Maps." Ya. I. Gubart, Candidate of Technical Sciences, "Production of Plans by the Aid of a Compiling Device." M. V. Pospel'skiy, Engineer of the Tsentral'noye predpriyatiye sel'khozmasheyniki (Central Establishment for Agricultural Aerial Photography). "Experience Gained in the Production of Plans of a Mountainous Terrain for Agricultural Purposes, with the Employment of Topographical Maps." - Ya. I. Kurovskiy, Candidate of Technical Sciences, and Post-graduate Student K. A. Zykov "On the Application of the Radio-geodetic System of the Tsentral'noye predpriyatiye sel'khozmasheyniki (Central Establishment for Agricultural Aerial Photography) to Aerial Photography." - Headmaster P. M. Puzhikov "Chances of the Use of a Leveling Instrument with a Self-adjusting Line of Sight in Geodetic Work for Agriculture."

Card 2/2



MUZAFAROV, M.Kh., dotsent, kand.tekhn.nauk

Distribution of axial angles of near-vertical aerial photographs.  
Izv. vys. ucheb. zav.; geod. i aerof. no.6:97-108 '60.

(MIRA 14:5)

1. Moskovskiy institut inzhenerov zemleustroystva.  
(Aerial photogrammetry)

MUZAFAROV, M.Kh.

Estimating the accuracy of multiple resection taking into  
account errors of initial data and the accuracy criterion  
of the relative position of initial points. Trudy MIIZ  
no.10:75-87 '60.  
(MIRA 16:12)

SELIKHANOVICH, Valoriya Georgiyevna, , dots., kand. tekhn.nauk;  
KOZLOV, V.P., dots., retsenzent; MUZAFAROV, M.Kh.,  
retsenzent; GORDEYEV, A.V., dots., red.; SHUYCINA, A.I.,  
red.izd-va; SUNGUROV, V.S., tekhn. red.

[Problems in geodesy]Zadachnik po geodezii. Moskva, Geodez-  
izdat, Pt.2. 1962. 270 p. (MIRA 15:12)  
(Surveying--Problems, exercises, etc.)

MUZAFAROV, M.Kh., do/sent [deceased]

Distribution of base line tilts. Izv. vys. ucheb. zav.; pecc. 1  
aerof. no.3:93-100 '64. (MIRA 18:3)

1. Moskovskiy institut inzhenerov zemleustroystva.

MUZAFAROV, Valay Galeysvich; YEROFEEV, I.A., red.; NATAPOV, M.I., tekhn. red.

[Guide to minerals and rocks; manual for students in pedagogical  
institutes] Opredeletel' mineralov i gornykh porod; posobie dlia  
studentov pedagogicheskikh institutov. Izd.3. Moskva, Gos. uchebno-  
pedagog. izd-vo M-va prosv. RSFSR, 1952. 172 p. (MIRA 11:7)  
(Mineralogy—Classification)  
(Rocks—Classification and nomenclature)

MUZAFAROV, Valey Galeevich; FISHCHEVA, T.V., red.

[Mineralogy and petrography] Mineralogiia i petrografiia. Izd.2., perer. Moskva, Prosveshchenie, 1964.  
175 p. (MIRA 18:2)

MUZAFAROV, V.G.

[Classification manual of minerals and rocks] "predelitel' mineralov i gorn  
porod. Izd.2., perer. Moskva, Gos. uchebno-pedagog. izd-vo, 1953. 174 p.  
(MLRA 6:12)

(Mineralogy--Classification) (Rocks--Classification and nomenclature)

MUZAFAROV, V.G.

Study of mineral resources in a school geography course and  
problems of practical application. Geog. v shkole no.4:54-55  
Jl-Ag '54. (MLRA 7:8)  
(Mines and mineral resources--Study and teaching)



MUZAFAROV, Valey Galeevich; GALKIN, P.D., redaktor; GRYUNBERG, G.Yu.,  
redaktor; SAKHAROVA, N.V., tekhnicheskii redaktor

[Mineralogy and petrography] Mineralogiia i petrografiia.  
Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia  
RSFSR, 1955. 166 p. (MLRA 9:2)  
(Mineralogy) (Petrology)

MUZAFAROV, V.G.

Club studies of fossils. Geog.v shkole 20 no.4:56-57 J1-Ag '57.  
(MIRA 10:7)

(Mines and mineral resources)

MUZAFAROV, V.G.

How to explain the distribution of mineral resources to students.

Geog. v shkole 21 no.5:76-77 S-O '58.

(MIRA 11:10)

(Mines and mineral resources)

(Physical geography--Study and teaching)

MUZAFAROV, V.G.

Unification and standartization of conventional symbols for  
minerals. Geog. v shkole 23 no. 6:36-39 E-D '60.

(MIRA 13:11)

(Mineralogy)

(Maps--Symbols)

BATURINA, Ye.A., red.; MUZAFAROV, V.G., red.; SLIYADNEV, A.P., red.;  
LEVUSHKINA, V.Ye., red.

[Ways to improve professional training in geography of the students of the natural history and geography department of pedagogical institutes; Puti uluchsheniia professional'noi podgotovki po geografii studentov estestvenno-geograficheskogo fakul'teta pedagogicheskikh institutov; trudy. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1960 104 p. (MIRA 16:11)]

1. Zonal'noye soveshchaniye predstaviteley kafedr geografii pedagogicheskikh institutov Sibiri. 1st. 2. Novosibirskiy pedagogicheskii institut (for Baturina, Muzafarov, Levushkina).

(Geography--Study and teaching)

MUZAFAROV, V.G.

How to study biographies and work of V.A. Obruchev and A.E.  
Fersman in a geography course. Geog. v shkole 25 no.5:73-74  
S-O '62. (MIRA 15:9)  
(Obruchev, Vladimir Afanas'evich, 1863-1956)  
(Fersman, Aleksandr Evgen'evich, 1883-1945)

MUZAFAROVA, R. Yu.

Muzafarova, R. Yu. "The finding of marine deposits of the middle Jurassic in the foothills of the Ziaetdinskiy Mountains," Deklady Akad. nauk UzSSR, 1949, No. 1, p. 18-19 ---Summary in Uzbek

SO: U-3566, 15 March, 53 (~~XXXXXXXXXXXXXXXXXXXX~~). (Letopis 'Zhural 'nykh Statey, No. 14, 1949)

MUZAFAROVA, R. Yu.

Complex of Senonian Trilobites in the Karak-Tai (eastern  
Kyzyl-Kum). Nauch. study TashGU n. 249. Geol. zhuki n. 21:212-  
216 '64. (MIRA 1: 55)



MUZAFAROVA, R. YU.

"Stratigraphy and Fossil Mollusks of the Cretaceous Deposits in the Southern Part of Bukharskaya Oblast'," Tr. In-ta geol. AN UzSSR, No 7, 155-243, 1953

The Cretaceous deposits are coordinate with the foothills of the Kul'dzhuktau and Ziaetda Mountains and also with the anticlinal upheavals in the lowland-steppe part of the region. As a result of the investigations conducted, it was revealed that the Cretaceous deposits possess large variety of phases and are extremely poor in fauna. Nevertheless, on the basis of the leading fauna observed and described, the author succeeded in a stratigraphic description.

RZhGeol, No 1, 1955

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,  
p 23 (USSR) 15-57-5-5863

AUTHOR: Muzafarova, R. Yu.

TITLE: The First Discovery of Fossil Cirripedes of the Family Scalpellidae in Central Asia (Pervaya nakhodka iskopyemykh usonogikh iz semeystva Scalpellidae v Sredney Azii)

PERIODICAL: Tr. Sredneaz un-ta. 1956, Nr 82, pp 119-122.

ABSTRACT: Spinal plates of Scalpellum fossula have been found on the left bank of the Amu-Darya River in the region of the Pitnyak uplift. They occur in deposits of Campanian (Upper Cretaceous) age. This discovery indicates that the Cretaceous marine basin in the Pitnyak region was a deep-water basin. This view is not contradicted by the cephalopod content or by the lithology of the rocks.

Card 1/1

Ya. A. B.

MUZAFAROVA, S.

For the struggle with air pollution. Okhr.truda i sots.  
strakh. 3 no.6:58-59 Je '60. (MIRA 13:7)

1. Starshiy inzhener po tekhnike bezopasnosti upravleniya  
khimicheskoy promyshlennosti Tatarskogo sovnarkhoza, Kazan'.  
(Air--Purification)

MUZALEV, B., agronom (Lipetskaya oblast').

Increase the light utilization coefficient of plants. Nauka i pered.  
op. v sel'khoz. 8 no.3:30 Mr '58. (MIRA 11:3)  
(Plants, Effect of light on)

MUZALEV, I.

[Dmitrovsk. Orel, Orlovskoe knizhnoe izd-vo, 1960. 66 p.  
(MIRA 14:8)  
(Dmitrovsk District)

LESHCHINSKAYA, Z.L.; SELIVANOVA, N.M.; MAYYER, A.I.; STREL'TSOV, I.S.;  
MUZALEV, Ye.Yu.

Heats of formation of nickel selenites and cobalt selenites.  
Zhur. VKHO 8 no.5:577-578 '63. (MIRA 17:1)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni  
Mendeleeva.

SELIVANOVA, N.M.; LESHCHINSKAYA, Z.L.; MAYYER, A.I.; MUZALEV, Ye.Yu.

Thermodynamic properties of cobalt selenite ( $\text{CoSeO}_3 \cdot 2\text{H}_2\text{O}$ ). Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no. 2: 209-216 '64.

(MIRA 18:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva, kafedra obshchey i neorganicheskoy khimii.

L 17712-63

EWB(q)/EWT(m)/BDS AFTG/ASD Pad RDW/JD/JW/WB

ACCESSION NR: AP3004065

S/0076/63/0 37/007/1563/1567 <sup>63</sup><sub>62</sub>

AUTHORS: Selivanova, N. M.; Leshchinskaya, Z. L.; Mayer, A. I.; Strel'tsov, I. S.; Muzalev, Ye. Yu.

TITLE: Thermodynamic properties of nickel selenite dihydrate

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 7, 1963, 1563-1567

TOPIC TAGS: nickel selenite dihydrate, sodium selenite, nickel nitrate

ABSTRACT: Authors analysed nickel selenite dihydrate which is stable under ordinary conditions. In this work, the reaction heat of the interaction of nickel nitrate with sodium selenite was measured in a calorimeter at 25C. After this data was obtained, the standard heat of formation of nickel selenite dihydrate from the elementary components was calculated. A further thermodynamic processing of these findings with the incorporation of V. G. Chukhlantsev's data (Zhurn. Applit. Khimii, 12, issue 3, 1957, p. 296) with respect to the solubility of nickel selenite made it possible to compute the change in the standard isobaric potential during the formation of nickel selenite dihydrate from the elementary components as well as the standard entropy of this salt. Orig. art. has: 1 figure and 1 table.

ASSN: Moscow chemical engineering institute.

Card 1/2



MUZALEVA, L. D.

"The Physiological Basis for the Possibility of Adapting Breeding Wheat to Northern Conditions." Cand Biol Sci, Karelo-Finnish State U, 13 Dec 54 . (LZ, 2 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
SC: Sum. No. 556, 24 Jun 55

MIRONOVA, M.F.; MEDALEVA, L.D.

Effect of trace elements on certain physiological processes and  
the yield of red clover. Trudy Kar. 111. AN USSR no. 37:76-  
102 '64. (MIRA 18:3)

MIRONOVA, M.P., dotsent; MUZALEVA, L.D.; KUKKA, M.A., dotsent

Results of the use of trace elements as fertilizers in Karelia  
and tasks for further studies. Uch.zap. Petrozav.gos.un. 11  
no.4:4-9 '63. (MIRA 19:1)

1. Kafedra botaniki i fiziologii rasteniy i khimii Petrozavodskogo  
gosudarstvennogo universiteta.

MIRONOVA, M.P., dotsent; MUZALEVA, L.D.

Effect of molybdenum on the qualitative composition of root crops. Uch.zap.Petrozav.gos.un. 11 no.4:20-23 '63.

Some trace element content of the families of leguminous and gramineous plants. Ibid.:51-56.

Some data on the effect of gibberellin on red clover. Ibid.:67-69.

(MIPA 19:1)

1. Kafedra botaniki i fiziologii rasteniy Petrozavodskogo gosudarstvennogo universiteta.

S/078/61/006/001/015/019  
B017/B054

AUTHORS: Ostroushko, Yu. I., Muzalevskaya, I. V., Krutsko, V. S.

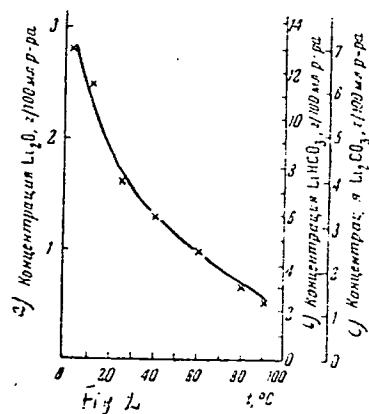
TITLE: Solubility of Lithium Bicarbonate in Water

PERIODICAL: Zhurnal neorganicheskoy khimii, 1961, Vol. 6, No. 1,  
pp. 229 - 231

TEXT: The authors studied the solubility of lithium bicarbonate in water at atmospheric pressure in a temperature range of from +2 to +90°C. Results are given in a table. Fig.2 shows the solubility of  $\text{LiHCO}_3$  as a function of temperature. It decreases with increasing temperature. The solubility is 24.6 g/l at +90°C, 75.9 g/l at 25°C, and 126 g/l at +2°C.  $\text{LiHCO}_3$  exists in solutions up to 90°C only if the solution contains  $\text{CO}_2$  gas in equilibrium. There are 2 figures, 1 table, and 6 references: 1 Soviet, 1 US, 2 French, and 2 German.

SUBMITTED: June 18, 1960

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Legend to Fig.2: a) concentration of  $\text{Li}_2\text{O}$ , in g/100 ml of solution;  
 b) concentration of  $\text{LiHCO}_3$ , in g/100 ml of solution; c) concentration of  
 $\text{Li}_2\text{CO}_3$ , in g/100 ml of solution

Card 2/2

~~MUZALEVSKAYA M.~~

Hospital on a hill. Na stroi. Ros. no.10:34 0 '61. (MIRA 14:11;

1. Glavnyy vrach gorodskoy klinicheskoy bol'nitsy, Vladivostok.  
(Vladivostok--Hospitals)

MUZALEVSKIY, A.A., inzh.; SKOROBOGATOV, V.S., inzh.

Effective braking of electric actuators. Mekh. i avtom. proizv.  
17 no 12:34 D'63. (MIRA 17:2)



*MUZALEVSKIY, N.I.*

BORISOV, D.P., doktor tekhn.nauk, prof.; KORNIYENKO, N.I.; MUZALEVSKIY, N.D.;  
PUSHKAREV, B.N.; CHEKMELEV, H.M., inzh., red.; BOBROVA, Ye.N.,  
tekhn.red.

[Electric block centralization] Blochnaia elektricheskaya  
tsentralizatsiya. Moskva, Gos. transp. zhel-dor. izd-vo, 1957.  
108 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut  
zheleznodorozhnogo transporta. Trudy, no.145). (MIRA 11:4)  
(Railroads--Signaling--Block system)

MUZALEVSKIY, N.D., inzhener.

Controlling the freezing of automatic blocking apparatus. Avtom.,  
telem. i sviaz' no.2:26-28 F '57. (MIRA 10:4)  
(Railroads--Signaling--Block system)

MUZALEVSKIY, N.D., inzh.

Characteristics of block relay interlocking equipment developed  
by the Central Scientific Research Institute. Vest. TSNII MPS 16  
no.8:53-56 D '57. (MIRA 11:1)  
(Railroads--Signaling--Block system)

ALWAYS, P.D.

3-10-68 (10:00 AM) - 3-10-68 (10:00 AM)  
(Reliability - Signaling)

MUZALEVSKIY, N.D., inzh.

Improved circuits for relay semiautomatic block systems developed  
by the Central Scientific Research Institute. Vest.TSNII MPS  
18 no.4:55-58 Je '59. (MIRA 12:10)  
(Railroads--Signaling--Block system)  
(Electric circuits)

MUZALEVSKIY, N.T.

Joint work of public health agencies and trade unions in Tula  
Province on reducing morbidity among industrial workers. Zdrav.  
Ros.Feder. 3 no.6:3-7 Je '59. (MIRA 12:6)

1. Zamestitel' zaveduyushchego Tul'skim oblzdravotdelom.  
(TULA PROVINCE--INDUSTRIAL HYGIENE)

MUZALEVSKIY, O. G.

"Investigation of the Rate of Metal Flow in the Deformation Zone During Hot Rolling of Aluminum Alloys."  
Thesis for degree of Cand. Technical Sci. Sub 23 Jan 49, Moscow Aviation Technological Inst.

Summary 82, 18 Dec 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949. From Vechernyaya Moskva, Jan-Dec 1949.

**AUTHOR:** MUZALEVSKIY, O.G. and LUR'YE, B.B., cand. of tech. sc. at the PA-2397  
Central Scientific Research Institute of Iron Production  
(TsNIICHM).

**TITLE/** Investigation of Performance of the Light Merchant Mill's Rolling  
Rate Regulator. (Issledovaniye raboty regulatora tempa prokatki  
melkosortnogo stana, Russian).

**PERIODICAL:** Stal', 1957, Vol 17, Nr 1, pp 135 - 140 (U.S.S.R.)  
Received: 5 / 1957  
Reviewed: 5 / 1957

**ABSTRACT:** The analysis carried out showed that the automation system for  
the rolling regulator can not warrant the following: 1) Greater  
constancy of the time intervals between the rolling processes  
in the first roll stand than in the case of hand drive. 2) The  
constancy of the times between the rolling processes during tapping  
all through the train, which is necessary for smooth working.  
In order to improve the operation of the regulator it must first  
of all be avoided that 2 - 3 billets pass at the same time from  
the furnace to the roller train. For this purpose the use of  
roller trains with tapered rollers is suggested. Stability of the  
starting point can be attained by the construction of an auto-  
matically controlled mechanic support. As the centrifugal action  
of the ingots can be observed mainly in the first and second  
roll stand it serves the purpose of building an additional rate  
regulator before the fifth roll stand, for which purpose the

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25(1,5)

PHASE I BOOK EXPLOITATION

SOV/1969

Muzalevskiy, Oleg Georgiyevich, Candidate of Technical Sciences, and Yuriy Vladimirovich Smirnov, Engineer .

Avtomatizatsiya prokatnykh stanov (Automation of Rolling Mills) Moscow, Trud-rezervizdat, 1958. 87 p. (Series: Novaya tekhnika i peredovyye metody truda) 5,000 copies printed.

Ed.: G.A. Demina; Tech. Ed.: Rakov, S.I.; Scientific Ed.: B.S. Tsytlin.

**PURPOSE:** This pamphlet is intended for teachers and foremen of labor reserve schools. It may also be useful to qualified workers and engineering staff in rolling mills.

**COVERAGE:** This booklet deals with the operation of automated rolling mills [blooming, small-section, strip and pipe piercing mills, hot and cold sheet rolling mills] and with electrical schemes for automation of mill sub-assemblies. The authors give information on devices for automated mass production on rolling mills, measurement of sizes of rolled stock, methods of recording temperatures and rolling forces, quality control of the rolled

Card 1/5

SOV/1969

# Automation of Rolling Mills

stock, and control of the expansion of rolls. Engineer R.V. Lyambakh is co-author of the first and last chapters of the book. There are 14 Soviet references.

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Automation of Rolling Mills

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25(1)

PHASE I BOOK EXPLOITATION

SOV/1888

Moscow. Vyssheye tekhnicheskoye uchilishche

Prokatnyye stany i tekhnologiya prokatki; sbornik statey (Rolling Mills and Processing by Rolling; Collection of Articles) Moscow, Mashgiz, 1958. 208 p. (Series: Its: [Trudy] 84) Errata slip inserted. 3,000 copies printed.

Ed.: A.I. Tselikov, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: L.A. Osipova; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on Heavy Machine Building (Mashgiz): S.Ya. Golovin, Engineer.

PURPOSE: This collection of articles is intended for workers of scientific-research institutes and plants, teachers, aspirants, and students specializing in the field of rolling mill engineering.

COVERAGE: This book is composed of theoretical and experimental works and proceedings presented at MVTU imeni Baumana (Moscow Higher Technical School imeni N.Ye. Bauman) by the Department of Machinery and Processes of Rolling and Drawing. It covers the theory of rolling and manufacturing methods described as new. The articles deal with the problem of determining forces in a planetary mill, the study of the

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Rolling Mills and Processing (Cont.)

SOV/1868

process of metal deformation on plain and shaped rolls, continuous cold rolling of pipe, and methods of selecting tools and fixtures for new mills. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Introduction

3

Tselikov, A.I., Corresponding Member, Academy of Sciences, USSR, and R.I. Ritman, Engineer. Determining Forces Acting on Rolls in Planetary Rolling Mills

5

The article gives theoretical substantiation for the calculation of forces and torques in planetary mills. This is claimed to be the first such substantiation.

Zaroshchinskiy, M.L., Doctor of Technical Sciences, Professor. Work Piece Deformation During Rolling in a Blooming Mill

32

The author discusses three problems associated with the process of deformation of metal in a blooming mill: selection of the amount of draft, the nature of deformation, and preparation of schedules for drafts. He recommends (a) the construction of plasticity diagrams based on the total deformation, (b) rolling in a blooming mill without free lateral spread, and (c) setting values for drafts for all passes.

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Rolling Mills and Processing (Cont.)

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Muzalevskiy, O.G., Candidate of Technical Sciences. Investigating Inner Metal Flow and the State of Stresses in the Area of Contact During Rolling 47

The author presents methods of investigating inner metal flow and the state of stresses in the contact area during rolling of specimens provided with drilled holes. These methods include the use of motion pictures. He gives an analysis of the curves of deformation of the inner layers, the distribution of the longitudinal velocities, and metal flow in the area of contact. By analyzing geometrical changes in drilled holes (diameter, circumferences, area, etc), some special features of state of stress in the contact area during rolling were determined.

Prushkarev, V.F., Candidate of Technical Sciences. The Problem of the Effect of the "Outer Zones" on Resistance to Deformation During Rolling 92

The author discusses experimental data on the effect of the inner layers of the work on the resistance to deformation during rolling.

Korolev, A.A., Candidate of Technical Sciences. Consideration of Elastic Flattening of Rolls Along the Contact Arc in Determining Pressure of the Work on Rolls During Rolling 94

The author describes the method of determining the pressure of the work

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Rolling Mills and Processing (Cont.)

SOV/1888

on rolls, with consideration being given to the elastic flattening of rolls.

Zhavoronkov, V.A., Candidate of Technical Sciences, and Ye.A. Zhukevich -  
Stosha, Engineer. Basic Parameters of the Tools of Mills for Rolling  
Periodic Shapes

106

The author discusses the basic types of rolls for three-roll periodic  
shape rolling mills, giving recommendations for selecting wear-  
resistant material for tools and a graphic method for designing tracers  
for new mills.

Grishkov, A.I., Engineer. Investigation of Spreading During Rolling in  
Plain Rolls

118

Grishkov, A.I., Engineer. Dependence of the Average Unit Pressure and the  
Width of a Strip During Hot Rolling in Plain Rolls

172

In this article and the preceding one the author deals with problems  
connected with the theory of spreading and derives related equations.  
He also presents experimental material on the effect of strip width on  
spreading and average unit pressure, thus confirming the theory of  
spreading developed by A.I. Tselukov.

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Rolling Mills and Processing (Cont.)

SOV/1888

Burdin, V.M., Engineer. Cold Rolling of Thin-walled Steel Tubes on a Long Mandrel

185

The author presents the results of an investigation concerned with the cold rolling of tubes on a long mandrel. 16, 33, and 38 mm. carbon steel tubes, and 15 and 16 mm. stainless steel tubes with various ratios of diameter to wall thickness were rolled in the same stand, while 16 mm. tubes were rolled continuously in six stands. Pass design is described; reduction regimes for various tube sizes are determined; and the results of an investigation on the selection of material for rolls and mandrels are presented.

AVAILABLE: Library of Congress

Card 5/5

GO/mas  
8-11-59

AUTHOR: Muzalevskiy, O.G. SOV-77-3-5-8/21

TITLE: Combined ~~Filming~~ of the Internal Movement of the Metal in the Deformation Zone During Rolling (Sovmeshchen-naya kinos"yemka vnutrennego dvizheniya metalla v zone de-formatsii pri prokatke)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, Vol 3, Nr 5, pp 363-367 (USSR)

ABSTRACT: To study the movement of metal in the deformation zone of an object undergoing hot rolling, the author drilled a series of vertically spaced holes through an aluminum alloy ingot illuminated by flood lamps onto an opaque glass screen which was then **filmed**. As the ingot passed through the rollers of the mill and came under compression, the holes were subjected to distortion, recorded by the **mo-tion picture camera from** their illumination on the screen. Some defects of this system are given. A second scheme was devised. A camera with a 40 cm telescopic lens was used fitted with an electric motor which drove the rotary disc shutter at speeds of 3,000-12,000 rpm. By this means a speed of 40-200 frames a second could be achieved at exposures of 0.001-0.0002 sec. As the ingot passed through the rollers,

Card 1/2

SOV-77-1-6-14/21

Combined **Filming** of the Internal Movement of the Metal in the Deformation Zone During Rolling

15-25 consecutive positions of the illuminated holes were recorded on the static film in the camera. Details of the lighting arrangement and light screening system are given. From the photograph of the holes-sequence, the distribution of the deformations, metal movement speeds and deformation speeds can be studied and an insight gained into some of the features of the stressed state of the compression zone during hot rolling of aluminum alloys. There are 5 diagrams, 1 photo and 1 Soviet reference.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut Chernoy metallurgii (The Central Research Institute of Ferrous Metallurgy)

SUBMITTED: April 23, 1957

1. Metals--Deformation 2. Motion picture photography--Applications

Card 2/2

GOLIKOV, I.N. (Moskva); MIZALEVSKIY, O.G. (Moskva)

Prospects for the development of combined processes of continuous casting and rolling of steel. Izv. AN SSSR. Otd. tekhn. nauk. Met. 1 topl. no. 5:9-14 S-O '62. (MIRA 15:10)  
(Continuous casting) (Rolling (Metalwork))